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(54) Title: SELF-HEALING RING NETWORK AND A METHOD FOR FAULT DETECTION AND RECTIFYING

(57) Abstract

The present invention relates to a self-healing ring network and a method for fault handling in said network. Said network comprises two communication paths (1, 2) and at least two nodes (N1, N2, N3, N4, N5). A first node (N1) and a second node (N5) suppress transmission to and/or reception from a segment (IS) in the ring, called an inactive segment. In the case of an occurring fault, the inactive segment is moved to the fault. According to the invention the network comprises a separate supervisory channel (OSC) for transmitting information of the fault between the nodes (N1, N2, N3, N4, N5) of the network, in which supervisory channel (OSC) a fault flag (ASSERT_PSS) is provided for the indication of the fault.

